



DIGITAL VIDEO NETWORKS

### MULTI-STREAM DIGITAL VIDEO ENCODER

#### FEATURES AND BENEFITS

- 6 Video Inputs
- Multi-Stream MPEG-2 / MPEG-4 / JPEG Encoding
- Ethernet (IP)
- 4 Data Sub-Channels
- (RS-232 / 422 / 485) up to 115.2kbps
- 10 / 100 Mbps Interface
- 32Kbps - 6.0Mbits Data Rate
- Provides full motion video (30 fps) up to broadcast quality
- Extended Temperature Range
- 1 RU 19" rack mount package
- 110 / 220 VAC power
- Digital Front Panel Display provides a scrolling list of key parameters
- Diagnostics and programming via back programming port or remotely via Watchdog (SW-2400), Hyper Terminal or Telnet.

#### APPLICATIONS

- Intelligent Transportation Systems
- Mass Transit
- Remote Surveillance
- Remote Broadcast
- Networked Video
- Easily transport and share IP Video with local, state and federal agencies. Simultaneously transport high resolution and internet quality video.
- The VCX-6406-E Hardened Video Encoder meets NEMA TS-2 Standard for Traffic Control Equipment

## FIELD HARDENED MULTI-CHANNEL MPEG-2 / MPEG-4 / JPEG DIGITAL VIDEO ENCODER

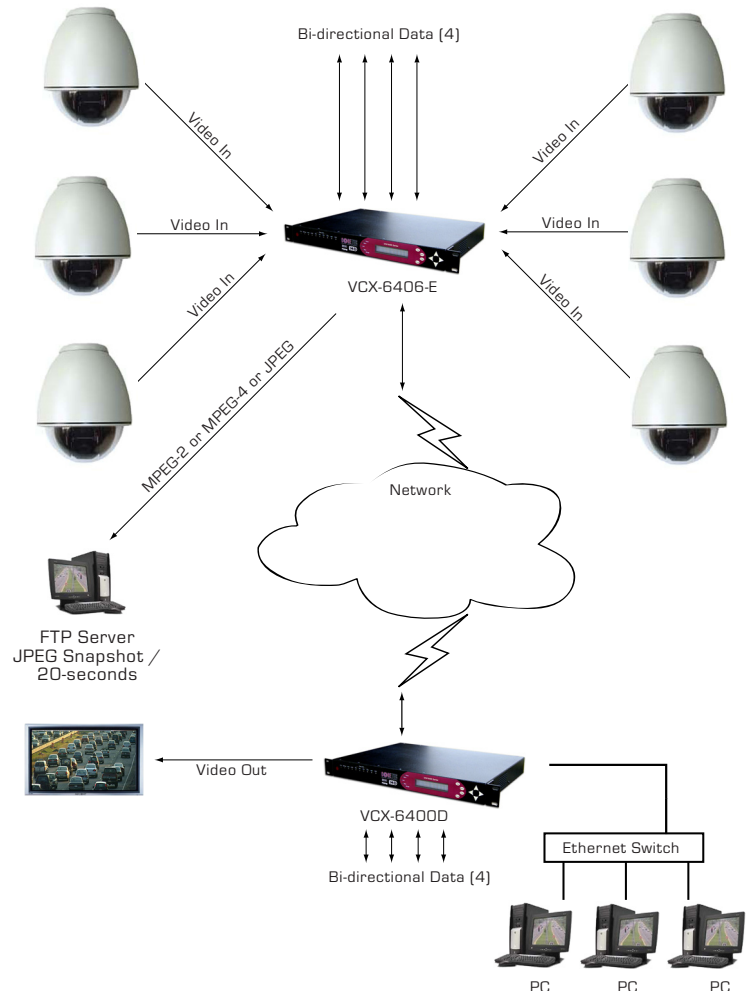
VCX - 6400 Series



VCX - 6406-E  
Rackmount Size Encoder  
(19"W x 1.75"H x 12"D)



#### TYPICAL CONFIGURATION





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# FIELD HARDENED MULTI-CHANNEL MPEG-2 / MPEG-4 / JPEG DIGITAL VIDEO ENCODER

VCX - 6400 Series

## SPECIFICATIONS

### INPUTS and OUTPUTS

Video	6 NTSC (EIA 170) 1 volt p-t-p 75 ohm 60Hz or 6 PAL (CCIR 624), 1 volt p-t-p 75 ohm, 75Hz
Data	4 RS-232 /422 (selectable)

### VIDEO PARAMETERS

Compression	MPEG 2
Resolution	NTSC PAL
D1	720h x 480v 720h x 576v
2/3 D1	480h x 480v 480h x 576v
1/2 D1	352h x 480v 352h x 576v
SIF	352h x 240v 352h x 288v
Frame Rate	1-30 fps
Connectors	BNC (6)

### DATA PARAMETERS

Format	RS-232/422/485
Data Rate	up to 115kbps
Connectors	RJ-45

### PROGRAMMING PORT

Format	RS-232
Handshaking	RJ-11 (VCX-2400-E only)

### INDICATORS PARAMETERS

2-line scrolling display

### NETWORK PARAMETERS

Data Rate	32kbps to 6 Mbps
Ethernet	RJ-45
Interface	10/100 Base-T IEEE 802.3 Static or DHCP
Protocols	UDP, IP (v4), IGMP (v2) Multicast

### ENVIRONMENTAL

[Meets NEMA Standards Publication  
No. TS-2-2003, Section 2]

Temperature	To Be Determined
Humidity	0 - 95% non-condensing
*Conformal Coating Available Upon Request	

**Meets NEMA TS-2 Temperature  
Specifications  
Meets NEMA TS-2 Standards for Shock,  
Vibration and Electrical Transients**

### MECHANICAL

<b>Field Unit</b>	
Dimensions	19" W x 1.75 H x 12" D 1 RU High
Weight	8lbs., 2 oz.

### POWER

95-130 VAC, 200-240 VAC	
IEC type detachable power cord	
Current Draw	To Be Determined

### REGULATORY APPROVALS

North America	FCC Title 47, Subpart B, Section 15, class A
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### ORDERING INFORMATION

VCX-6406-E	MPEG-2 / MPEG-4 / JPEG Encoder Stand-alone 4 Data Sub-channels
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